Computer Science (SFSU), B.S. (128 Credits)
ISTM-B-FM-005
(Applicable to Students Admitted in the Academic Year 2026)

Required To earn 50 credits

1st.

Semester 1			Semester 2		
CourseNum	Course name	credit	CourseNum	Course name	credit
ISTM020	PUBLIC SPEAKING FOR NONNATIVE SPEAKERS	3	ISTM001	ENGLISH WRITING	3
ISTM114	ANALYTIC GEOMETRY AND CALCULUS I	4	ISTM118	ANALYTIC GEOMETRY AND CALCULUS II	4
ISTM115	MODERN MECHANICS	4	ISTM122	FUNDAMENTALS OF ELECTROMAGNETISM	4
ISTM116	PROGRAMMING APPLICATIONS FOR ENGINEERS	3	ISTM143	INNOVATION PROJECT (2)	3
ISTM142	INNOVATION PROJECT (1)	3	ISTM160	INTRODUCTION TO SOFTWARE LAB	1
			ISTM161	INTRODUCTION TO COMPUTER PROGRAMMING	3
			ISTM216	LINEAR ALGEBRA	3

2nd.

Semester 1			Semester 2		
CourseNum	Course name	credit	CourseNum	Course name	credit
ISTM255	DATA STRUCTURE	3	ISTM257	MACHINE STRUCTURES	3
ISTM256	DISCRETE MATHEMATICAL STRUCTURES FOR COMPUTER SCIENCE	3			
ISTM409	CRITICAL THINKING	3			

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Elective　　To earn at least 20 credits

1st.

Semester 1			Semester 2		
CourseNum	Course name	credit	CourseNum	Course name	credit
ISTM133	ARTS OF ASIA	3	ISTM163	LOGIC DESIGN	3
ISTM166	INTRODUCTION TO PYTHON PROGRAMMING	3	ISTM164	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	3

2nd.

Semester 1			Semester 2		
CourseNum	Course name	credit	CourseNum	Course name	credit
ISTM136	ASIAN AMERICANS IN U.S. HISTORY(1)	3	ISTM110	MICROECONOMICS	4
ISTM260	INTRODUCTION TO CLOUD COMPUTING	3	ISTM137	ASIAN AMERICANS IN U.S. HISTORY(2)	3
ISTM266	FIRST SEMESTER SPANISH	4	ISTM261	INTRODUCTION TO CRYPTOGRAPHY	3
ISTM271	INTRODUCTION TO COMPUTER NETWORKS	3	ISTM262	DATA SCIENCE PRACTICES	3
ISTM285	INTRODUCTION TO COMPUTER SCIENCE	3	ISTM267	SECOND SEMESTER SPANISH	4
ISTM286	OBJECT-ORIENTED DESIGN AND IMPLEMENTATIOR	3	ISTM282	DATABASE SYSTEMS	3
			ISTM283	PROBABILITY AND STATISTICS	3
			ISTM284	WEB-BASED PROGRAMMING	3

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Graduation credits：128 credits
General education foundation course credits： 0 credits
General education elective course credits： 0 credits
Major required course credits： 50 credits
Major elective course credits： 20 credits
Interdisciplinary course credits： 58 credits

Guidelines for Program Completion：

Management Unit：International School of Technology and Management/SFSU-FCU 2+2 Bachelor's Program in Computer Science